

## THE GENOTYPES OF THE NORTH AMERICAN HADENINÆ (LEPIDOPTERA NOCTUIDÆ)\*

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This article is published with a twofold purpose, first, to help those who may be interested in this group of insects, and second, to give other workers an opportunity to criticize and correct any erroneous genotypic designations. Much time and effort have been spent in delving through the literature on Lepidoptera and the writer believes that the information set forth in this article is correct. However, there is always the chance of overlooking some important article or statement and for this reason the writer urges those who can make any corrections to send him this information. These corrections will be published later and due credit will be given to those who helped to clear up any oversights that may have found their way in this article.

Genus *Acerra* Grote. 1874, Bulletin of the Buffalo Society of Natural Sciences, Vol. 2, p. 162.

Genotype: *Acerra normalis* Grote. The genus is monotypic with a new species.

Genus *Admetovis* Grote. 1873, Bulletin of the Buffalo Society of Natural Sciences, Vol. 1, p. 133.

Genotype: *Admetovis oxymorus* Grote. The genus is monotypic with a new species.

Genus *Aethria* Hubner. See *Hadena*.

Genus *Aletia* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 239.

Genotype: *Noctua vitellina* Hubner (Europaischer Schmetterlinge Noctuidæ ff. 379, 589, 1796). Type of subsequent designation by Moore in 1881 in the Proc. Zool. Soc. of London, p. 333. Other species included in the original description of the genus were *conigera* Schiff. and *turca* Linn.

\* This work was carried on at the entomological laboratory of the Mass. State College, Amherst, Mass.

Genus *Alysia* Guenée. 1868, Entomologist's Monthly Magazine, Vol. 5, p. 3.

Genotype: *Alysia specifica* Guenée. The genus is monotypical with a new species.

Genus *Anarta* Ochsenheimer. 1816, Die Schmetterlinge von Europa, Vol. 4, p. 90.

Genotype: *Noctua myrtilli* Linn. (Fauna Suecica p. 311, 1761). Type by subsequent designation by Curtis in 1826 in British Entomology, Vol. 3, p. 145. Other species in the original description—*cordigera* Thunb. (*albirena* Hub.), *melaleuca* Thunb. (*leucoptera* Esp., *mæsta* Hub.), *radiosa* Esp. (*lyncea* Hub.), *vidua* Hub. (*tristis* Hub.), *funebris* Hub., *ruplicola* W.V. (*helyophila* Hub., *pallium* Borkh.), *heliaca* W.V., Hub., Borkh. (*fasciola* Esp., *arbuti* Fabr.).

Genus *Aplecta* Guenée. See *Hadena*.

Genus *Astrapetis* Hubner. See *Hadena*.

Genus *Barathra* Hubner. 1822, Verzeichniss bekannter schmetterlinge, p. 218.

Genotype *Noctua albicolon* Hubner (Europäischer Schmetterlinge Noctuidæ ff. 542, 543, 1796). Type by elimination. The other species, *brassicae*, included in the original description designated as type of *Mamestra*.

Genus *Borolia* Moore. 1881, Proceedings of the Zoological Society of London, p. 334.

Genotype *Borolia furcifera* Moore. Designated by the author in his original description of the genus.

Genus *Buchholzia* Barnes and Benjamin. 1926, Pan Pacific Entomologist III, p. 68.

Genotype *Arsilonche colorada* Smith. Proc. U. S. Nat. Mus., XXII, p. 414, 1900. Designated by the authors in their original description.

Genus *Cardepia* Hampson. 1905, Catalogue of the Lepidoptera Phalænæ, Vol. V, p. 234.

Genotype *Mamestra irrigor* Erschoff. "Lepidoptera gesammelt aus der wissenschaftlichen Forschungsreise nach Turkestan," St. Petersburg, 1874. Designated by the author in his original description of the genus.

Genus *Cea* Grote. 1883, Papilio, Vol. III, p. 78.

Genotype *Cea immacula* Grote. The genus is monotypical with a new species.

Genus *Ceramica* Guenée. See *Mamestra*.

Genus *Chabuata* Walker. 1857, List of Lepidopterous Insects in the British Museum, Vol. XIII, p. 1034.

Genotype *Chabuata ampla* Walker. The genus is monotypical with a new species.

Genus *Charæas* Stephens. 1829, Illustrations of British Entomology, Haustellata, Vol. II, p. 108.

Genotype *Venose cespitis* W.V. Schiffenmuller, Systematisches Verzeichniss der Schmetterlinge Wiener Gegend, p. 82, 1776. Type designated by Westwood in 1840 in his Synopsis of the Genera of the British Insects, Vol. I, p. 93, 1839–1840. Other species listed in the original description of the genus—*confinis* Stephens, *fusca* Haw., *nigra* Haw., *graminis* Linn.

Genus *Copimamestra* Grote. See *Mamestra*.

Genus *Craterestra* Hampson. 1905, Catalogue of the Lepidoptera Phalænæ, Vol. V, p. 17.

Genotype *Stibæra lucina* Druce. Biologia Centralia Americana, Heterocera, I, p. 296, pl. 27, ff. 27, 1889. Type designated by the author in his original description of the genus. Other species listed in the original description of the genus—*Perigea niveopicta* Butl., *P. terranea* Butl., *Hadena media* Walk., *Mamestra hoplites* Staud., *M. yakima* Smith, *Axylia bifascia* Hamp., *A. albicosta* Hamp., *Craterestra subterminata* Hamp., *C. semifusca* Hamp., *C. subvelta* Walk., *C. definiens* Walk.

Genus *Crocigrapha* Grote. See *Hadena*.

Genus *Dargida* Walker. See *Hadena*.

Genus *Dianthæcia* Boisduval. 1834, Silbermann's Revue Entomologique, II, p. 246.

Genotype *Noctua carpophaga* Borkh. Europäischer Schmetterlinge, IV, p. 422, 1792. Type designated by Grote in 1874 in the Bull. Buffalo Society of Nat. Sciences, Vol. II, p. 13. Other species listed in the original description—*cucubali* Hub. (*Noctua rivularis* Fab.), *capsincola* Hub., *silenes* Hub., *corsica* Ramb., *tephroleuca*

Bois., *cæsia* Hub., *filigrama* Treit. (*Noctua polymita* Hub.), *magnolii* Bois., *albimacula* Treit. (*Noctua concenna* Hub.), *conspersa* Hub., *compta* Hub.

Genus *Diataraxia* Hubner. See *Hadena*.

Genus *Discestra* Hampson. 1905, Catalogue of the Lepidoptera Phalænæ, V, p. 14.

Genotype *Mamestra chartaria* Grote, 1873, Bull. Buffalo Soc. Nat. Sci., I, p. 138, pl. iv, f. 12. Type designated by the author in his original description of the genus. Other species included in the original description—*M. florida* Smith, *M. eremistis* Pung, *Discestra arenaria* Hamp.

Genus *Engelhardtia* Barnes. 1923, Bulletin of the Brooklyn Entomological Society, XVIII, p. 125.

Genotype *Lathosea ursina* Smith. Canadian Entomologist, XXX, p. 324, 1898. Type designated by the author in his original description of the genus.

Genus *Ephia* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 214.

Genotype *Phalaena irregularis* Hufnagel. Berlinische Magazin, etc., III, p. 394, 1767. Type designated by Hampson in 1905 in Catalogue of the Lepidoptera Phalænæ, V, p. 226. Other species included in the original description—*E. silenes* Hub.

Genus *Epineuronia* Staudinger. This name was suggested by Staudinger to replace *Neuronia* Hubner, which is preoccupied by Leach for a genus of *Trichoptera* in 1815 (Edinburgh Encyclopedia, IX, p. 136). *Neuronia* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 215.

Genotype *Bombyx popularis* Fab. (*graminis* Schiff., *lolii* Esp.). "Systema Entomologiæ Fabricii," p. 577, 1775. Type designated by Hampson, Catalogue of the Lepidoptera Phalænæ, V, p. 216, 1905. *Populalis* is also type by elimination, for the only other species included in the original description, *perplexa* Schiff., is considered the same as *carpophaga* Bkh. and *carpophaga*

was selected as genotype of *Dianthæcia* in 1874 by Grote.

Genus *Eriopyga* Guenée. 1852, Species General des Lepidopteres (Noctuidæ), I, p. 203.

Genotype *Eriopyga punctulum* Gn. The genus is monotypical with a new species.

Genus *Eupsephopætes* Grote. See *Hadena*.

Genus *Eurypsyche* Butler. 1886, Transactions of the Entomological Society of London, p. 392.

Genotype *Eurypsyche similis* Butler. The genus is monotypical with a new species.

Genus *Faronta* Smith. 1908, Annals of the New York Academy of Sciences, XVIII, p. 106.

Genotype *Faronta aleada* Smith. The genus is monotypical with a new species.

Genus *Hadena* Schrank. 1802, Fauna Boica, II (2), p. 158.

Genotype *Trigonophoræ cucubali* Schiffenmuller. Systematisches Verzeichniss der Schmetterlinge Wiener Gegend, p. 84, 1776. Type designated by Grote in 1895 in The Entomologist's Record, VI, p. 78, 1895. Schrank would include in his genus the following species—*pinastri* L., *cespitis*—, *graminis* L., *typica* L., *leucophæa*—, *chenopodii*—, *contigua*—, *dentina*—, *cæsia*—, *atriplicis* L., *prasina*—, *præceps* L., *thallassina*—, *pisi* L., *brunnea*—, *hepatica* L., *perphyrea*—, *oleracea* L., *xanthographa* L., *leucographa*—, *chrysographa* Anh., *meticulosa* L., *satura*—, *lucipara* L., *serena*—, *cucubali*—, *capsincola*—, *protea*—, *convergens*—. These are the species belonging to Denis and Schiffenmuller's families O and P. (Systematisches Verzeichniss von den Schmetterlinge Wiener Gegend, pp. 267 and 281, 1801.)

The following genera may be synonomous with *Hadena*.

Genus *Aethria* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 218.

Genotype *Trigonophoræ serena* Schiffenmuller. Schiffenmuller, Systematisches Verzeichniss Wiener Gegend, p. 84, 1776. Type designated by Hampson in 1905

in the Catalogue of the Lepidoptera Phalænæ, V, p. 60. Hubner also included *A. glauca* Hub. in his genus.

Genus *Aplecta* Guenée. 1852, Guenée, Species General des Lepidopteres (Noctuidæ), II, p. 74.

Genotype *Phalæna nebulosa* Hufnagel. Berlinisches Magazin, III, p. 418, 1767. Type designated by the author in his original description. Other species included in his original description—*herbida*, W.V., *occulta* Linn., *implicata* Lef., *imbrifera* Gn., *nimbosa* Gn., *latex* Gn., *condita* Gn., *schænnherri* Bdv., *speciosa* Hb., *tincta* Brahm., *advena* W.

Genus *Astrapetis* Hubner. 1822, Verzeichniss der bekannter Schmetterlinge, p. 218.

Genotype *Venosæ dentina* Schiff. Systematisches Verzeichniss der Schmetterlinge Wiener Gegend, p. 82, 1776. Type designated by Hampson in 1905 in the Catalogue of the Lepidoptera Phalænæ, V, p. 60. Other species included in the original description—*remissa* Hub., *distincta* Hub., *contigua* Schiff. (*spartii* Borkh.), *genistæ* Borkh., *valida* Hub., *satura* Schiff. (*perphysia* Esp.), *gemina* Hub., *achates* Hub.

Genus *Crocigrapha* Grote. 1875, Canadian Entomologist, VII, p. 57.

Genotype *Perigrapha normani* Grote. Canadian Entomologist, VI, p. 115, 1874. The genus is monotypical.

Genus *Dargida* Walker. 1856, Walker, List of the Lepidopterous Insects in the British Museum, IX, p. 201.

Genotype *Dargida grammivora* Walker. The genus is monotypical with a new species.

Genus *Diataraxia* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 219.

Genotype *Noctua splendens* Hubner. Hubner, Europäischer Schmetterlinge Noctuidæ, fig. 400, 1776. Type designated in 1905 by Hampson in the Catalogue of the Lepidoptera Phalænæ, V, p. 60. Other species included in the original description—*fibrosa* Hub.,

*temera* Hub., *leucostigma* Hub., *oleracea* Linn., *aliena* Hub., *suasa* Schiff., *chenopodii* Schiff.

Genus *Eupsephopæctes* Grote. 1873, Bulletin of the Buffalo Society of Natural Sciences, I, p. 137.

Genotype *Eupsephopæctes procinctus* Grote. The genus is monotypical with a new species.

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Genus *Haderonia* Staudinger, 1895, Deutsche Entomologische Zeitschrift von Gesell. Iris, VIII, p. 320.

Genotype *Haderonia subarschanica* Staudinger. The genus is monotypical with a new species.

Genus *Heliothila* Hubner. 1806, Tentamen.

Genotype *Noctua pallens* Linn. "Systema Naturæ," X, p. 510, 1758. The genus is monotypical.

Genus *Laucania* Ochsenheimer. 1816, Die Schmetterlinge von Europa, IV, p. 81.

Genotype *Noctua pallens* Linn. Type designated by Curtis in 1827 in his "British Entomology," IV, p. 157. Since *Leucania* has the same genotype as *Heliothila* the two are identical and *Leucania* sinks as a synonym of *Heliothila*, the latter having priority. Other species included in the original description of *Leucania*—*straminea* O., *impura* Hub., *pudorina* W.V., (*impudens* Hub.), *obsoleta* Hub., *comma* Linn. (*pallens* Esp., *turbida et congura* Hub.), *l-album* Linn.

Genus *Himella* Grote. 1874, Proceedings of the Academy of Natural Sciences of Phila., p. 200.

Genotype *Himella fidelis* Grote. Type selected by Grote in his original description.

Genus *Hyperepia* Barnes and Lindsey. 1922, Bulletin of the Brooklyn Entomological Society, XVII, p. 56.

Genotype *Hyperepia pi* B. & L. The genus is monotypical with a new species.

Genus *Hyphilare* Hubner. See *Mamestra*.

Genus *Hypotrix* Guenée. 1852, Species General des Lepidopteres (Noctuidæ), I, p. 369.

Genotype *Hypotrix purpurigera* Gn. Type designated by Hampson in 1905 in the Catalogue of the Lepidoptera

*Phalaenæ*, V, p. 291. Other species listed in the original description—*falvigera* Gn., *carneigera* Gn.

Genus *Hyssia* Guenée. See *Mamestra*.

Genus *Ichneutica* Meyrick. 1886, Transactions of the New Zealand Institute, XIX, p. 13.

Genotype *Ichneutica ceraunias* Meyrick. The genus is monotypical with a new species.

Genus *Lasiestra* Hampson. 1905, Catalogue of the Lepidoptera Phalaenæ, V, p. 47.

Genotype *Dianthæcia phoca* Moschl. Entomologische Monatschrift, Wien, VIII, p. 197, pl. 5, fig. 15, 1864. Type designated by the author in his original description. Other species included in the original description—*Polia montana* Leech, *Dianthæcia subdita* Moschl., *Mamestra promulsa* Morr., *Scotogramma uniformis* Smith, *Dianthæcia dovreensis* Staud., *Hadena elwesi* Hamp., *Dianthæcia deliciosa* Alph., *Scotogramma perplexa* Smith, *Mamestra persa* Alph.

Genus *Lasionycta* Aurivillius. 1892, Spangberg Entomologisk Tidskrift, XVIII, p. 285.

Genotype *Phlogophora skrælingia* H-S. Europaischer Schmetterlinge, VI, p. 57; Noctuidæ, f. 624, 1845. The genus is monotypical.

Genus *Leucania* Ochsenheimer. See *Heliophila*.

Genus *Lophoceramica* Dyar. 1908, Proceedings of the Entomological Society of Washington, X, p. 32.

Genotype *Tricholita artega* Barnes. Canadian Entomologist, XXXIX, p. 64, 1907. The genus is monotypical.

Genus *Magusa* Walker. See *Pastona*.

Genus *Mamestra* Ochsenheimer. Die Schmetterlinge von Europa, IV, p. 76.

Genotype *Noctua brassicae* Linn. Systema Naturae, p. 516, 1758. Type designated by Duponchel in 1829 in Godarts and Duponchels Histoire Naturelle des Lepidopteres, VII, Part II, pp. 71–72. Other species included in the original description of the genus—*pisi* Linn., *splendens* Hub., *oleracea* Linn., *suasa* W. V. (*dissimilis* Knoch, *W-latinum* Esp.), *aliena* Hub., *ab-*

*jecta* Hub. (*nigricans* View.), *chenopodii* W. V. (*verna* et *saucia* Esp.), *albicolon* Hub., *furva* W. V., *persicariae* Linn.

The following may be synonymous with *Mamestra*

Genus *Ceramica* Guenée. 1852, Species General des Lepidopteres (Noctuidae), I, p. 343.

Genotype *Mamestra picta* Harris (*exusta* Gn.). Harris, "Report of the Insects of Massachusetts Injurious to Vegetation," p. 329, 1841. Type designated by Grote in 1898, Abhandlung des Naturwissenschaftliche Vereins zu Bremen, XIV, p. 72. Other species included in the original description of the genus *maryx* Gn., *vindemialis* Gn., *U-album*—.

Genus *Copimamestra* Grote. 1883, Annals and Magazine of Natural History (5), XI, p. 54.

Genotype *Noctua brassicae* Linn. Same species as the genotype of *Mamestra* if we may accept Hampson's designation made in 1905 in The Catalogue of the Lepidoptera Phalaenae, V, p. 11. The other species listed by Grote in his original description is a new species *Copimamestra occidenta* and is also available. The writer expects to discuss this matter further in a later paper.

Genus *Hyphilare* Hub. 1822, Verzeichniss bekannter Schmetterlinge, p. 239.

Genotype *Helophilae albipuncta* Schiffenmuller. Systematisches Verzeichniss der Schmetterlinge Wiener Gegend, p. 84, 1776. Type designated by Hampson in 1905 in The Catalogue of the Lepidoptera Phalaenae, V, p. 436. Other species included in the original description of the genus—*lithargyria* Esp.

Genus *Hyssia* Guenée. 1852, Species General des Lepidopteres (Noctuidae), I, p. 345.

Genotype *Mamestra cavernosa* Eversmann. Bulletin Soc. Imperiale Moscou, III, p. 547, pl. 5, fig. 3, 1842. The genus is monotypical.

Genus *Melanchra* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 207.

Genotype *Noctua persicariae* Linn. "Fauna Suecia," p. 319, 1761. The genus is monotypical.

Genus *Meterana* Butler. 1877, Proceedings of the Zoological Society of London, p. 385.

Genotype *Dianthecia pictula* White. White, in Taylor's "New Zealand and its Inhabitants," pl. 1, fig. 3, 1855. The genus is monotypical.

While these genera have been considered synonymous with *Mamestra*, only one, *Copimamestra*, has this status. These two having the same genotype are identical. The other genera have genotypes which lack the curved claw on the fore tibiæ present in *brassicæ* and they, therefore, should be grouped by themselves.

Genus *Melanchra* Hubner. See *Mamestra*.

Genus *Meliana* Curtis. 1889, British Entomology, XVI, p. 13.

Genotype *Meliana flammea* Curtis. In "British Entomology," V, pl. 201, 1828; Curtis describes a new genus *Melia*, designates *Tinea sociella* Fab. as type and includes *flammea* Curtis. In his index published in 1839, he wrote *Meliana* instead of *Melia*. If we accept *Meliana* as distinct from *Melia* then we may consider *flammea* Curtis the type of a monotypical genus *Meliana*, for so it appears in the Index "Meliana flammea, pl. 201, vol. 5."

Genus *Meterana* Butler. See *Mamestra*.

Genus *Miodera* Smith. 1908, Annals of the New York Academy of Science, XVIII, p. 101.

Genotype *Miodera stigmata* Smith. The genus is monotypical with a new species.

Genus *Monosca* Walker. See *Nephelodes* Guenee.

Genus *Monostola* Alpheraky. 1892, Memoires sur les Lepidopteres Romanoff, Tome VI, p. 37.

Genotype *Monostola asiatica* Alph. The genus is monotypical with a new species.

Genus *Morrisonia* Grote. 1874, Bulletin of the Buffalo Society of Natural Sciences, II, p. 53.

Genotype *Cloantha evicta* Grote. Bulletin of the Buffalo Society of Natural Sciences, I, p. 84, pl. 2, fig. 18, 1873.

The type was selected by Grote in his original description of the genus. The other species included by Grote is *vomerina* Grote.

Genus *Naesia* Walker. 1858, List of the Lepidopterous Insects in the British Museum, XV, p. 1741.

Genotype *Naesia moesta* Walker. The genus is monotypical with a new species.

Genus *Neleucania* Smith. 1902, Proceedings of the United States National Museum, XXV, p. 203.

Genotype *Neleucania niveicosta* Smith. Proceedings of the United States National Museum, XXV, p. 203. Type designated by Hampson in 1905 in The Catalogue of the Lepidoptera Phalaenae, V, p. 576. Other species included in the original description of the genus—*bicolorata* Gr., *citronella* Smith, *patricia* Gr., *praegracilis* Gr.

Genus *Neuria* Guenee. 1852, Species General des Lepidopteres (Noctuidæ), I, p. 166.

Genotype *Noctua reticulata* Linn. (*saponariae* De Geer). Linn., "Entomologica Fauna Suecicae descriptionsibus aucta Lugundi," II, p. 254, 1789. Type selected by Hampson in 1905 in The Catalogue of the Lepidoptera Phalaenae, V, p. 208. Other species included in the original description—*dentigera* Evers.

Genus *Neuronia* Hubner. See *Epineuronia* Staudinger.

Genus *Nephelodes* Guenee. 1852, Species General des Lepidopteres (Noctuidæ), I, p. 129.

Genotype *Noctua emmedonia* Cramer (minians Gn.). "Papillons Exotique," III, p. 92, pl. 247 D. Type selected by Grote in 1874 in the Bulletin of the Buffalo Society of Natural Sciences, II, p. 18. Other species listed in the original description—*violans* Gn., *rubeolans* Gn.

Genus *Monosca* Walker. 1869, Characters of Undescribed Lepidoptera, Heterocera, p. 29.

Genotype *Monosca subnotata* Walker. The genus is monotypical with a new species. *Subnotata* is considered a synonym of *minians*, *emmedonia*. If this is so then

the two genera are identical, having the same species for genotype.

Genus *Ommatostola* Grote. 1873, Bulletin of the Buffalo Society of Natural Sciences, I, p. 112.

Genotype *Ommatostola lintneri* Grote. The genus is monotypical with a new species.

Genus *Parameana* Barnes and Benjamin. 1924, Contributions to the Natural History of the Lepidoptera of North America, V, No. 3, p. 154.

Genotype *Hadena laetabilis* Smith. Canadian Entomologist, XXXI, p. 263, 1899. Type designated by the authors in their original description of the genus. Other species included in the original description of the genus—*Cerma marina* Smith, *Trachea smargdina* Newn., and probably *Namangana canoa* Barnes.

Genus *Pastona* Walker. 1858, List of the Lepidopterous Insects in the British Museum, XV, p. 1754.

Genotype *Pastona rудis* Walker. The genus is monotypical with a new species.

Genus *Magusa* Walker. 1865, List of the Lepidopterous Insects in the British Museum, XXXIV, p. 1223.

Genotype *Magusa albiguttalis* Walker. The genus is monotypical with a new species. According to Hampson *albiguttalis* Walker is the same as *rudis* Walker, so that the genus *Magusa* sinks as a synonym of *Pastona*.

Genus *Perigonica* Smith. 1890, Entomologica Americana, VI, p. 123.

Genotype *Perigonica angulata* Smith. 1890, Entomologica Americana, VI, p. 123. Type selected in 1905 by Hampson in The Catalogue of the Lepidoptera Phalaenae, V, p. 434. Other species included in the original description of the genus—*Perigonica fulminans* Smith.

Genus *Perigrapha* Lederer. 1857, "Die Noctuinen Europas," p. 136.

Genotype *Atrosignatae i-cinctum* S. V. Schiffenmuller's Systematisches Verzeichniss der Schmetterlinge Wiener

Gegend, p. 78, 1776. Type selected by Hampson in 1905 in The Catalogue of the Lepidoptera Phalaenae, V, p. 403. Other species included in the original description of the genus—*circumducta* Led.

Genus *Philochrysa* Grote. See *Xanthopastes* Hubner.

Genus *Polia* Hubner. 1806, Tentamen.

Genotype *Noctua dysodea* Schiff. (*Polia flavigincta* W. V.)

“Systematisches Verzeichniss der Schmetterlinge Wiener Gegend,” p. 72, 1776. The genus is monotypical.

Genus *Pseudothodes* Morrison. 1874, Canadian Entomologist, VI, p. 253.

Genotype *Orthodes vecors* Guenee. Species General des Lepidopteres (Noctuidae), I, p. 376, 1852. The genus is monotypical.

Genus *Scotogramma* Smith. 1887, Proceedings of the United States National Museum, X, p. 469.

Genotype *Anarta submarina* Grote. Canadian Entomologist, XV, p. 4, 1883. Type selected by the author in his original description of the genus. Other species included in the original description of the genus—*perplexa* Smith, *phoca* Moseb., *inconcinna* Smith, *umbrosa* Smith.

Genus *Sideridis* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 232.

Genotype *Noctua evidens* Hubner. “Europaischer Schmetterlinge,” Noctuidae, fig. 369, 1796. Type designated in 1905 in The Catalogue of the Lepidoptera Phalaenae by Hampson (V, p. 436). Other species included in the original description of the genus—*ferruginea* Schiff. (*rubecula* Esp.), *xanthographa* Schiff., *nictitans* Linn. (*chrysographa* Schiff.), *luteago*—Schiff.

Genus *Stretchia* Hy. Edw. 1874, Proceedings of the California Academy of Science, p. 266.

Genotype *Stretchia plusiaeformis* Hy. Edw. The genus is monotypical with a new species.

Genus *Trichoclea* Grote. Papilio, III, p. 30.

Genotype *Trichoclea decepta* Grote. The genus is monotypical with a new species.

Genus *Trichocosmia* Grote. 1883, Canadian Entomologist, XV, p. 6.

Genotype *Trichocosmia inornata* Grote. The genus is monotypical with a new species.

Genus *Tricholita* Grote. 1875, Bulletin of the Buffalo Society of Natural Science, II, p. 215.

Genotype *Hydroecia semiaperta* Morrison. Canadian Entomologist, VI, p. 105, 1874. Type designated by the author in his original description of the genus.

Genus *Trichopolia* Grote. 1883, Papilio, III, p. 76.

Genotype *Trichopolia dentatella* Grote. Papilio, III, p. 76.

Type designated in 1905 by Hampson in the Catalogue of the Lepidoptera Phalaenae, V, p. 361. The other species listed in the original description is also a new species, *ptilodonta* Grt. This Grote doubtfully placed in the genus so it should not be selected as type.

Genus *Ulolonche* Smith. 1887, Proceedings of the United States National Museum, X, p. 471.

Genotype *Mamestra niveiguttata* Grote. Bulletin of the Buffalo Society of Natural Sciences, I, p. 140, pl. IV, fig. 16. 1873. Type selected by Grote in Abhandlungen des naturwissenschaftlichen Vereins zu Bremen, XIV, p. 74, 1898. Other species included in the original description of the genus—*Taeniocampa modesta* Morr., *Ulolonche fasciata* Smith.

Genus *Ursogastra* Smith. 1906, Journal of the New York Entomological Society, XIV, p. 12.

Genotype *Ursogastra lunata* Smith. The genus is monotypical with a new species.

Genus *Xanthopastes* Hubner. 1822, Verzeichniss bekannter Schmetterlinge, p. 211.

Genotype *Phalaena timais* Cramer. Papillons Exotique, III, p. 148, pl. 275 B, 1782. Type selected by Grote in Abhandlungen des naturwissenschaftlichen Vereins zu Bremen, XIV, p. 85, 1898. Other species included in the original description of the genus—*xanthomista*

Hub., *flavicincta* Schiff., *dysodea*—Schiff., (*chrysotoana* Borkh.), *flavivibica*—(*polymita* Schiff., *serena* Esp., *filigrama* Ochs.).

Genus *Philochrysa* Grote. 1863, Proceedings of the Entomological Society of Philadelphia, II, p. 338.

Genotype *Philochrysa regnatrix* Grote. The genus is monotypical with a new species. However *regnatrix* Grote is the same as *timais* Cram., thereby making *Philochrysa* a synonym of *Xanthopastes*.

Genus *Xylomania* Hampson. 1905, Catalogue of the Lepidoptera Phalaenae, V, p. 389.

Genotype *Xylomiges hiemalis* Grote. Type designated by the author in his original description of the genus. Hampson includes many species in his genus. Grote's description of *hiemalis* is in the Bulletin of the Buffalo Society of Natural Sciences, II, p. 71, 1874.

Genus *Xylomyges* Guenee. 1852, Species General des Lepidopteres (Noctuidae), I, p. 147.

Genotype *Noctua conspicillaris* Linn. "Systema Naturae," X, p. 515, 1758. Type designated by Grote in the Bulletin of the Buffalo Society of Natural Sciences, II, p. 27. 1874. Other species included in the original description of the genus—*eridania* Cr., *putrida* Gn., *amygia* Gn., *sunia* Gn.

Genus *Zosteropoda* Grote. 1874, Bulletin of the Buffalo Society of Natural Sciences, II, p. 67.

Genotype *Zosteropoda hirtipes* Grote. The genus is monotypical with a new species.

The *Hadeninae*, like many of the other subfamilies of the *Noctuidae*, is sadly in need of revision. Some of the characteristics used to separate the various genera are so minute that one questions their taxonomic value. Some of Hubner's "Verzeichniss" names should be dropped entirely for Hubner himself did not consider them as having generic rank. There are genera listed in this article which have no representatives in this country but they have been included because our genera have been considered synonymous with them or *vice versa*. A careful study

of these will lead to the omission of some of them from our faunal list. In a subsequent paper, the writer hopes to discuss the probable status of the various genera, the classification being based on a morphological study of their genotypes.

*Note.* Buchholzia is preoccupied, so Barnes and Benjamin substituted the name Eubuchholzia (Bull. Brooklyn Ent. Soc. 1929, p. 184).

Probably the following genera should be included in this article. They will be discussed in a subsequent paper.

*Afotella* Barnes, Benj.—type *Hadena cylindrica* Grt.

*Hadenella* Grote—type *H. pergentilis* Grt.

*Epipsiliamorpha* B. Benj.—type *Agrotis alaskae* Grt.